

## **ABSTRACT OF THE DISCLOSURE**

A high voltage cable assembly is provided that is configured to mate with a corresponding receptacle, and that includes a cable, fitting and terminal element attached to each other so as to define a joint. The cable includes two or more electrical conductors. The terminal element is composed of a resilient, non-electrically conductive material and is connected at one end to the fitting. The other end of the terminal element includes electrical contacts, each of which is in electrical communication with a corresponding electrical conductor of the cable. Additionally, the terminal element defines an annular groove that is situated near the joint cooperatively defined by the fitting and terminal, and aids in the control of diametric expansion of the terminal element, so as to facilitate reduction or elimination of arcing and other problems associated with uncontrolled deformation of the terminal element.

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